



"Advancing the Science of Lake Management"

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Lake Wilderness 2017 Survey and Treatment Report

Prepared by AquaTechnex, LLC.

In 2017, AquaTechnex completed two surveys of Lake Wilderness. At each survey, the entire lake was inspected for the presence of Eurasian Watermilfoil. Points marking native plants were taken at regular intervals when present. Biomass data was also collected using hydroacoustic mapping of the lake bottom.

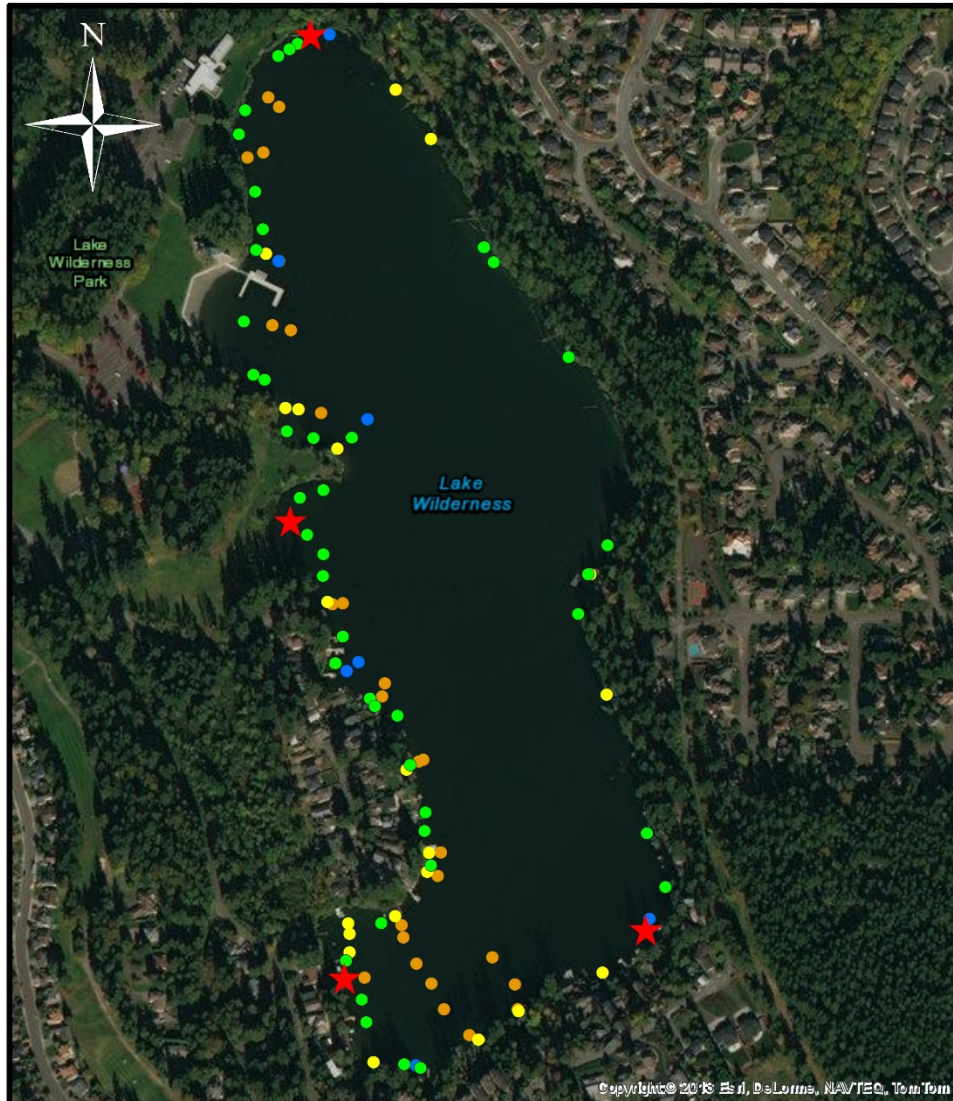
During the first AquaTechnex survey on May 12th, the presence of Eurasian Watermilfoil was detected and it was determined that some of the native pondweed had reached nuisance levels. The Lake Wilderness Preservation Association (LWPA) has a volunteer patrol that also conducted a survey and found additional Eurasian Watermilfoil plants that were confirmed by AquaTechnex. On June 5th, contact and systemic aquatic herbicides were used to treat all known areas of Eurasian Watermilfoil as well as nuisance areas of Large Leaf pondweed. On August 18th, a second survey was conducted. No Eurasian Watermilfoil was found and a reduction in Large Leaf Pondweed was observed. (Please see attached survey maps and Biobase data on pages 2-5).

For 2018, surveying is again recommended to check for the presence of Eurasian Watermilfoil and to assess if any native plants are present at nuisance levels. As always, the presence of a resident or board member at the surveys is encouraged. This provides a good learning opportunity for the resident or board member and helpful information on the patterns of the lake for AquaTechnex. The continued efforts of the LWPA volunteer patrol should also be commended. Their surveys provide an additional opportunity to locate any Eurasian Watermilfoil that was missed by AquaTechnex, as was the case in 2017.

Thank you for choosing AquaTechnex to assist in your lake management efforts. If you have any questions regarding this report please contact Grant Bennett at the information below.

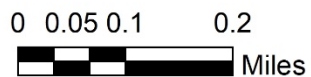
Regards,
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Lake Wilderness Survey 5-12-17

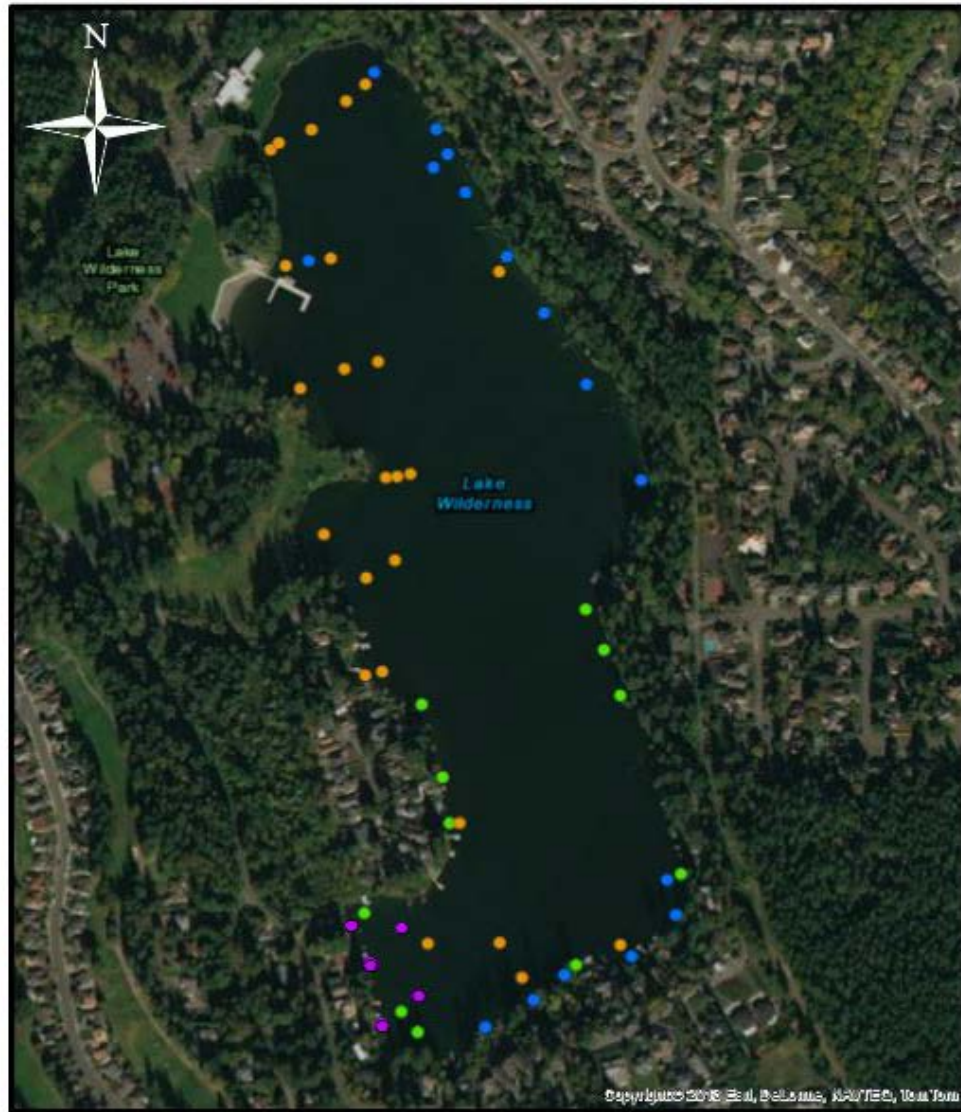


Dominant Species

- ★ Eurasian Watermilfoil
- Large Leaf Pondweed
- Elodea
- Coontail
- Chara

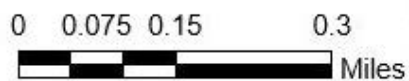


Lake Wilderness Survey 8-18-17

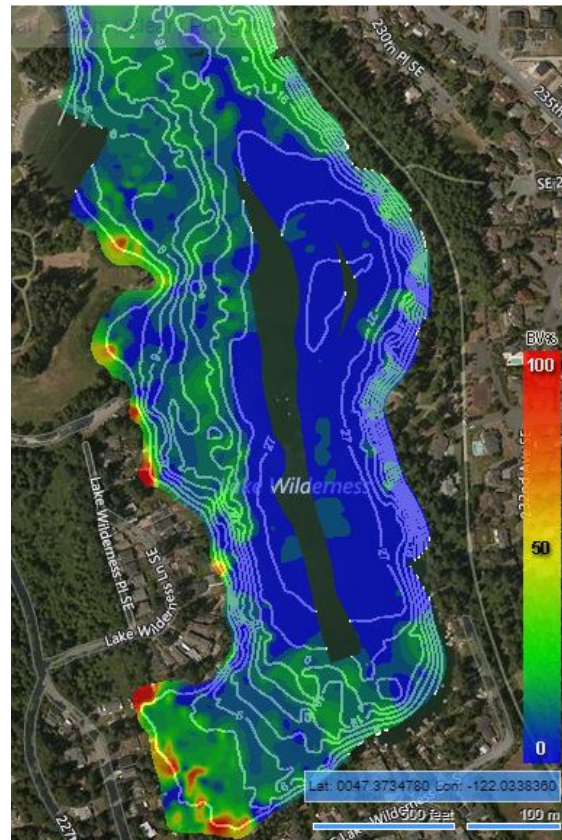


Dominant Species

- Small Pondweed
- Chara
- Coontail
- Large Leaf Pondweed

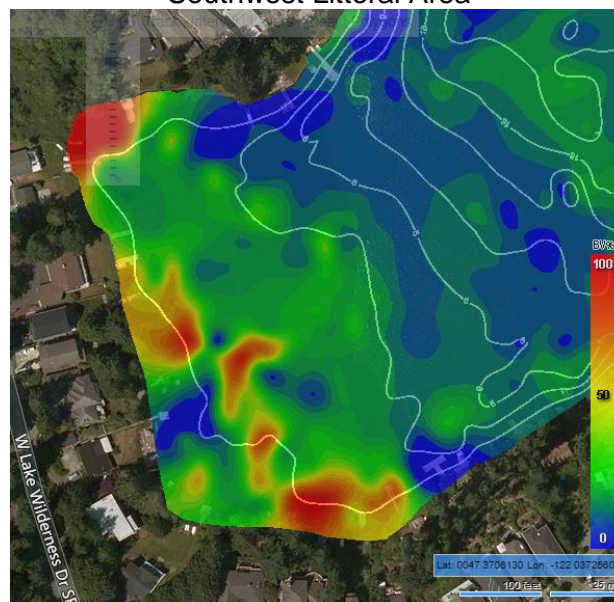


Lake Wilderness Biobase 8-18-17:

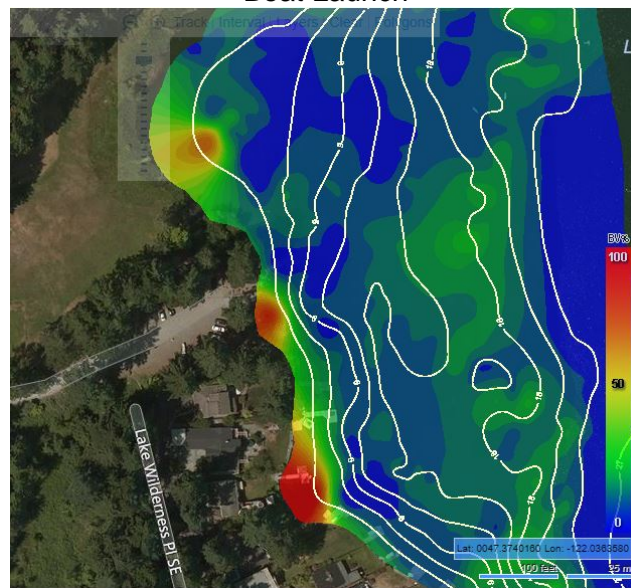


Color range indicates percent biovolume in water column detected by sonar.

Southwest Littoral Area



Boat Launch



North End

